Message

From: Murphy, Elizabeth [Murphy.Elizabeth@epa.gov]

Sent: 2/10/2020 6:56:52 PM

To: Porter, Andrea [porter.andrea@epa.gov]; Bair, Rita [bair.rita@epa.gov]

CC: Wilson, Jennifer [wilson.jenniferA@epa.gov]; Meyer, Cynthia [Meyer.Cynthia@epa.gov]; Bauer, Candice

[bauer.candice@epa.gov]

Subject: RE: East St. Louis Lead Action Level Exceedances and corrosion control?

Many Thanks Andrea

From: Porter, Andrea <porter.andrea@epa.gov> Sent: Monday, February 10, 2020 12:22 PM

To: Bair, Rita <bair.rita@epa.gov>; Murphy, Elizabeth <Murphy.Elizabeth@epa.gov>

Cc: Wilson, Jennifer <wilson.jenniferA@epa.gov>; Meyer, Cynthia <Meyer.Cynthia@epa.gov>; Bauer, Candice

<bauer.candice@epa.gov>

Subject: RE: East St. Louis Lead Action Level Exceedances and corrosion control?

Hi All,

IL AMERICAN-EAST ST LOUIS (PWS ID = IL1635040):

- Per SDWIS/FED, this PWS last exceeded the Pb Action Level in 1992 with a 90th percentile of 19 ppb. The PWS is currently on triennial monitoring, and the most recent Pb 90th percentile for the years 2017 2019 is 2 ppb.
- Because the PWS does not have any recent Pb Action Level Exceedences (ALEs), R5 has not asked IEPA to report
 out on this PWS in our annual ALE actions update status requests.
- Per SDWIS/FED, orthophosphate addition, as well as pH adjustment (at one of their two plants) and sequestration for corrosion control treatment are listed as active treatments for this PWS.
- Per SDWIS/FED, this PWS was deemed "optimized" and water quality parameters ranges assigned by the State. Date listed for "deem" and "done" are 4/11/2000. (Huge caveat: The LCR milestones in SDWIS/FED are known to be unreliable. It would be good to check with IEPA to make sure the data in SDWIS/FED is accurate.)
- Per IEPA requirement, all CWS annually report service line materials. Most recently (2018 Reporting Year), this
 PWS listed 346 lead service lines, and 46,901 service lines of unknown material out of a total of 51,498
 connections.
- Per the PWS' website, this water system supplies water to all of these areas: Altorton, Belleville, Cahokia, Canteen Township, Caseyville, Centreville, Columbia, East St. Louis, Fairmont City, Fairview Heights, Lovejoy, National City, Sauget, Shiloh, Smithton Township, St. Clair, Stookey, Swansea, and Washington Park.
- In the summer of 2019, Miguel fielded questions from NRDC re: Centreville, IL. Miguel answered general
 questions, and referred the more specific questions to IEPA (see attached email chain). Note: these emails
 included questions originating from the staff of Senator Duckworth.

Supporting details included below. Let me know if you need more on this.

Thanks,

Andrea Porter

Environmental Engineer | Ground Water & Drinking Water Branch | U.S. EPA, Region 5 Email: porter.andrea@epa.gov | Phone: 312.886.4427

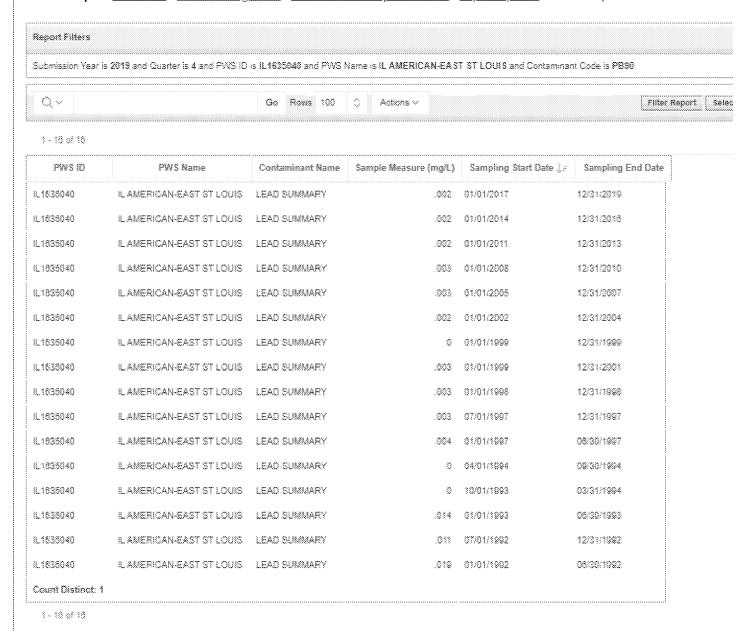
Supporting Details:

Helpful link for data Federally reported drinking water data → Public-facing SDWIS/FED reports available here: https://ofmpub.epa.gov/apex/sfdw/f?p=108:12:::NO:RP,RIR::

1) Pb Samples:

Lead Samples

Related Topics: EPA Home » Your Drinking Water » SDWIS Federal Reports Search » Report Options » Lead Samples



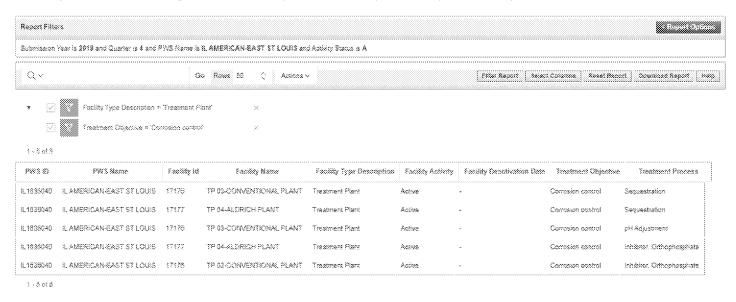
2) Corrosion control treatment:





Water System Facility Reports

Related Topics: EPA Home » Your Drinking Water » SDW85 Federal Reports Search » Report Options » Water System Facilities Report



3) LCR Milestones

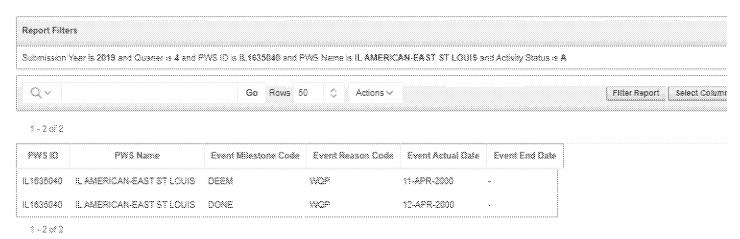


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Water System Events and Milestones

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Related Topics: EPA Home » Your Drinking Water » SDWIS Federal Reports Search » Report Options » Water System Events and Milestones



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4) Service line inventory

a. IEPA requires Community Water Systems to report service line inventories annually (see: https://www2.illinois.gov/epa/topics/drinking-water/public-water-users/Pages/lead-service-line-information.aspx).

Service Line Material Inventory Reports

Facility Id .: Facility Name	5.00 (400)			
	County	Total Connections	Report Date	Reporting Year
II American-East St Louis (PWS)	St Clair	51498	4/10/2019	2018
Wholesale Connections 51491 Rets	ail Connections 7		Leed 346	
Copper/Lead Solder 0 Cop	pper/Non-Lead Sol	ler 4244	Galvanized 0	
Plastic 0 Unk	known Material 469	01	Unknown Not Lead ()	
Cast/Ductile Iron or Transite 7				

5) Water Quality Summary

a. Attached, and posted on PWS website, here: http://www.amwater.com/twq/esl_twq.pdf

From: Bair, Rita < bair.rita@epa.gov>

Sent: Monday, February 10, 2020 11:29 AM

To: Murphy, Elizabeth < Murphy. Elizabeth@epa.gov>

Cc: Porter, Andrea <porter.andrea@epa.gov>; Wilson, Jennifer <wilson.jenniferA@epa.gov>; Meyer, Cynthia

<Meyer.Cynthia@epa.gov>; Bauer, Candice <bauer.candice@epa.gov>

Subject: FW: East St. Louis Lead Action Level Exceedances and corrosion control?

Andrea is in a better position to answer this. I am not aware of anything in East St. Louis. However, IEPA did respond to the status of systems with current ALEs. Again, Andrea would have that info.

From: Murphy, Elizabeth < Murphy. Elizabeth@epa.gov>

Sent: Monday, February 10, 2020 11:17 AM

To: Wilson, Jennifer <wilson.jennifer A@epa.gov>; Meyer, Cynthia <Meyer.Cynthia@epa.gov>

Cc: Bair, Rita <bair.rita@epa.gov>

Subject: East St. Louis Lead Action Level Exceedances and corrosion control?

Do either of you have any on Lead ALEs and or requirements of corrosion control for East St. Louis, in IL?

We have been asked to think about using a new Pb mapping tool that EPA is developing to address / target enforcement actions. Do we have any info on how East St. Louis is complying with LCR, application of corrosion control and or ALEs?

I need this for tomorrow morning, if it is possible to obtain. Beth

Elizabeth Murphy, MPH
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Chief – Section 3 (UIC, Wetlands, and Drinking Water)
US Environmental Protection Agency
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